CHAPTER 3

Rigging Milk-Dispensing Containers

Section I

RIGGING EIGHT MILK-DISPENSING CONTAINERS IN AN A-21 CARGO BAG

3-1. Description of Load

The 6-gallon milk-dispensing container is used as an expandable container for potable water. It is made up of a fiberboard box and a plastic bag insert. Eight containers are rigged in an A-21 cargo bag. Each cargo bag can be rigged for drop from a door, ramp, or wedge. The A-21 cargo bag uses either one

G-13 or one G-14 cargo parachute and a skid and honeycomb kit.

3-2. Preparing Containers

Prepare eight milk-dispensing containers as shown in figure 3-1.

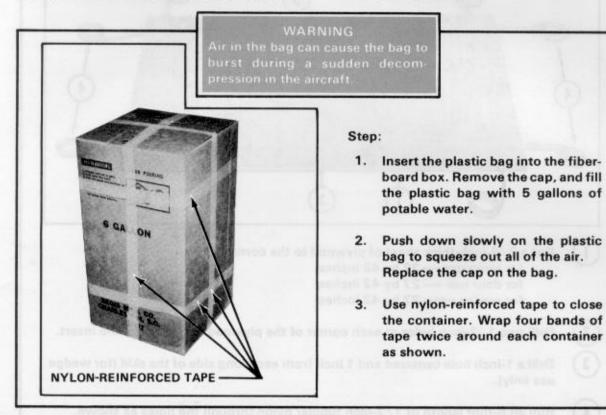


Figure 3-1. Milk-dispensing container prepared.

3-3. Rigging Load

Rig eight water containers in an A-21 cargo bag as shown in figures 3-2, 3-3, and 3-4.

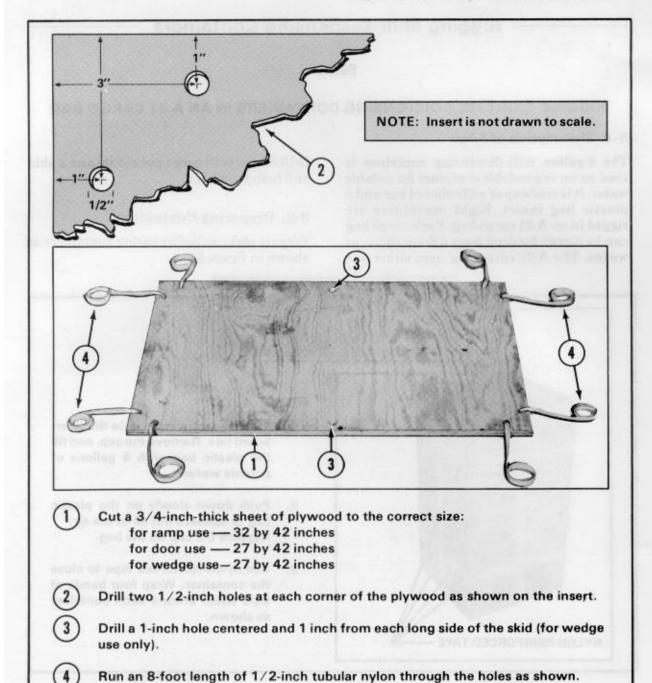
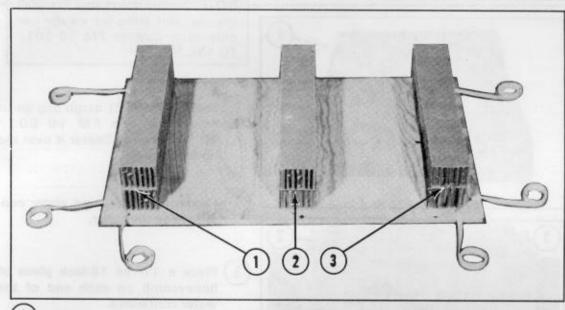
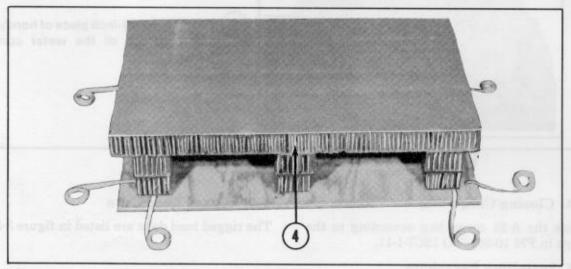


Figure 3-2. Skid prepared.

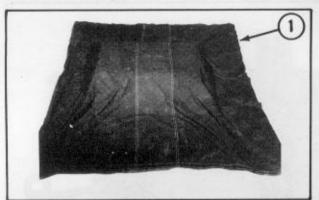


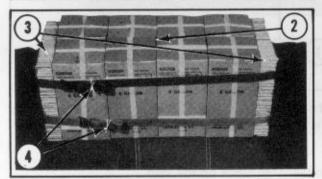
- Glue two 4- by 24-inch pieces of honeycomb together. Glue the honeycomb stack to the skid, 2 inches in from the side and centered between the front and rear edges.
- 2 Follow step 1, but center the honeycomb stack on the skid.
- (3) Follow step 1.

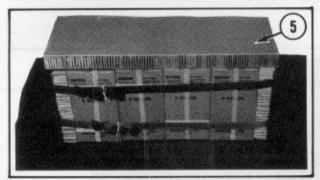


Center a 24- by 42-inch piece of honeycomb on the three honeycomb stacks, and glue it.

Figure 3-3. Honeycomb stacks built and placed.







NOTE: Before doing step 1, install the restraint strap for wedge use only according to FM 10-501/TO 13C7-1-11.

- Prepare the A-21 cargo bag cover according to FM 10-501/TO 13C7-1-11. Center it over the honeycomb kit.
- 2 Center eight prepared water containers on the cover.
- 3 Place a 17- by 19-inch piece of honeycomb on each end of the water containers.
- Bind the water containers together with either two A-7A sling straps or two 15-foot tiedown straps, heavyduty D-rings, and load binders.
- 5 Set a 19- by 45-inch piece of honeycomb on top of the water containers.

Figure 3-4. Water containers placed and bound.

3-4. Closing Cargo Bag

Close the A-21 cargo bag according to the steps in FM 10-501/TO 13C7-1-11.

3-5. Installing Parachute

Prepare and stow either one G-13 or G-14 cargo parachute according to FM 10-501/TO 13C7-1-11.

3-6. Rigged Load Data

The rigged load data are listed in figure 3-5.

3-7. Equipment Required

The equipment needed to prepare and rig the water containers is listed in table 3-1.



RIGGED LOAD DATA

Weight	8				G			*	401 pounds
Width .									. 42 inches
Height.	8			4					. 43 inches
Length							,		. 27 inches

Figure 3-5. Milk-dispensing containers rigged in A-21 cargo bag for low-velocity airdrop.

Table 3-1. Equipment required

National Stock Number	Item	Quantity	
8040-00-273-8713	Adhesive, paste, 1-gal	As required	
1670-00-242-9173	Bag, cargo, type A-21	1	
1670-00-753-3928	Pad, energy-dissipating, honeycomb,		
	3- by 36- by 96-in:	2 sheets	
	4- by 24-in	(6)	
	17- by 19-in	(2)	
	19- by 45-in	(1)	
	24- by 42-in	(1)	
1670-00-984-3535	Parachute, cargo, G-13 or	A suid noted. Z	
1670-00-999-2658	Parachute, cargo, G-14	1	
5530-00-128-4981	Plywood, 3/4- by:		
	27- by 42-in or	nors is appeared	
	32- by 42-in	1	
1670-00-251-1153	Sling, cargo, airdrop, type A-7A	a double search	
	Tape:		
7510-00-266-5016	Adhesive, 2-in	As required	
7510-00-582-4772	Filament, reinforced, 1-in	As required	
1670-00-937-0271	Tiedown assembly	2	
8305-00-268-2411	Webbing, cotton, 80-lb	As required	
8305-00-082-5752	Webbing, nylon, tubular, 1/2-in	As required	

Section II

RIGGING 40 MILK-DISPENSING CONTAINERS IN AN A-22 CARGO BAG

3-8. Description of Load

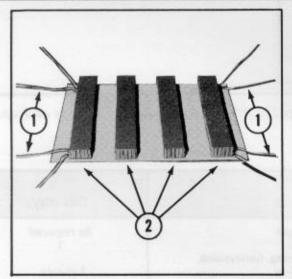
The milk-dispensing container is used as an expendable container for potable water. It is made up of a fiberboard box and a plastic bag insert. Forty containers are rigged in an A-22 cargo bag on a standard skid, NSN 1670-00-883-1654. The load is rigged with one G-12D cargo parachute.

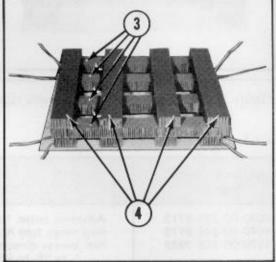
3-9. Preparing Containers

Prepare 40 containers as shown in figure 3-1.

3-10. Rigging Load

Rig 40 containers in an A-22 cargo bag as shown in figures 3-6 through 3-8.





- Run an 8-foot length of 1/2-inch tubular nylon webbing through each pair of holes at the four corners of the skid. Place the skid on a level surface.
- Glue four 6- by 48-inch pieces of honeycomb to the skid. Place the two outside pieces 2 3/4 inches in from the 48-inch side, and glue them. Space the inner pieces 8 inches from the outside pieces, and glue them.
- Cross stack and glue the second layer of four 6- by 48-inch pieces of honeycomb.
 Center the outside pieces flush with the ends of the first layer. Space the inner pieces 8 inches from the outside pieces, and glue them.
- Place the third layer of four 6- by 48-inch pieces of honeycomb directly above the first layer, and glue it.

Figure 3-6. Skid prepared and honeycomb stacks placed.

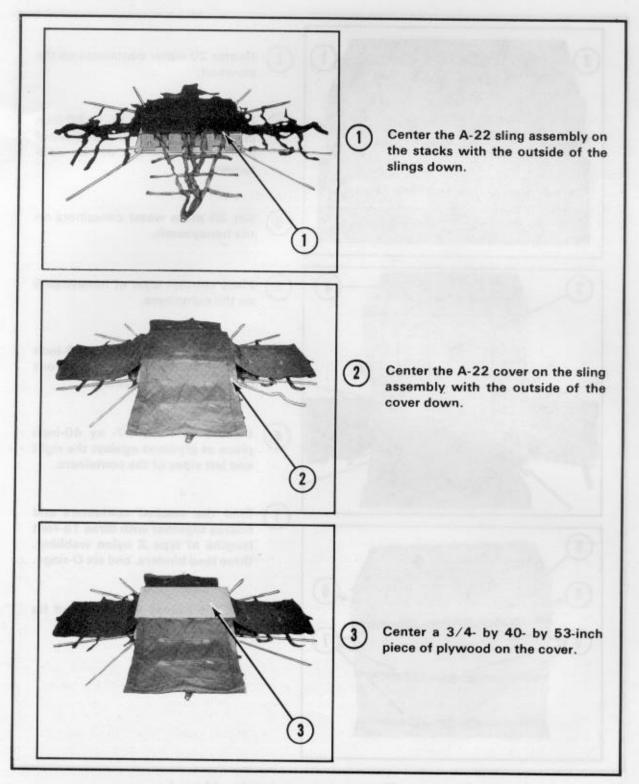
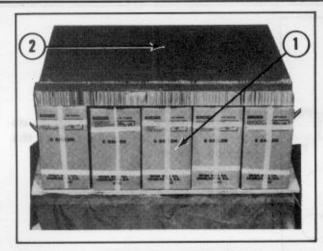
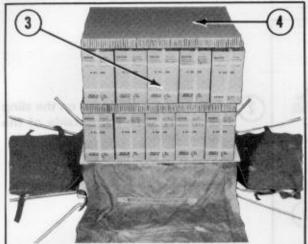


Figure 3-7. Cargo bag and plywood placed.



- Center 20 water containers on the plywood.
- Place a layer of one 36- by 50-inch piece and one 4- by 50-inch piece of honeycomb on top of the containers.
- 3 Set 20 more water containers on the honeycomb.



- Place another layer of honeycomb on the containers.
- Place a 3/4- by 37- by 48-inch piece of plywood against the front and rear of the containers.
- Place a 3/4- by 37- by 40-inch piece of plywood against the right and left sides of the containers.
- Plant the stacked containers and boards together with three 16-foot lengths of type X nylon webbing, three load binders, and six D-rings.
- 8 Fold the excess webbing, and tie the folds to the load binder.

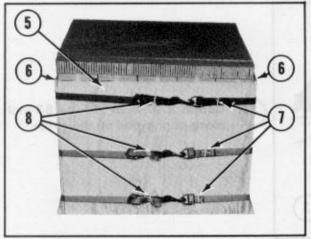


Figure 3-8. Water containers placed and bound.

3-11. Closing Cargo Bag

Close the A-22 cargo bag according to the steps in FM 10-501/TO 13C7-1-11.

3-12. Installing Parachute

Prepare and stow one G-12D cargo parachute with a 68-inch pilot parachute according to FM 10-501/TO 13C7-1-11.

3-13. Rigged Load Data

The rigged load data are listed in figure 3-9.



Figure 3-9. Milk-dispensing containers rigged in A-22 cargo bag for low-velocity airdrop.

3-14. Equipment Required

The equipment needed to prepare and rig the water containers is listed in table 3-2.

Table 3-2. Equipment required

National Stock Number	ltem .	Quantity	
8040-00-273-8713	Adhesive, paste, 1-gal	As required	
1670-00-587-3421	Bag, cargo, airdrop, type A-22	1	
1670-00-937-0272	Binder, load, 10,000-lb-cap] 3	
4020-00-240-2146	Cord, nylon, type III, 550-lb	As required	
5365-00-937-0147	D-ring, heavy-duty	6	
1670-00-753-3928	Pad, energy-dissipating, honeycomb,		
	3- by 36- by 96-in:	5 sheets	
	4- by 40-in	(2)	
	6- by 48-in	[(12)	
	36- by 50-in	(2)	
1670-00-216-7297	Parachute, pilot, 68-in diam	1	
1670-00-893-2371	Parachute, cargo, 64-ft, G-12D	1	
5530-00-128-4981	Plywood, 3/4- by:	<u>_</u>	
	37- by 40-in	2	
	37- by 48-in	2	
	40- by 53-in	1	
1670-00-883-1654	Skid, cargo bag, platform	1	
	Tape:	1	
7510-00-266-5016	Adhesive, 2-in	As required	
7510-00-582-4772	Filament, reinforced, 1-in	As required	
	Webbing:		
8305-00-268-2411	Cotton, 80-lb	As required	
8305-00-082-5752	Nylon, tubular, 1/2-in	As required	
8305-00-260-6890	Nylon, type X, 16-ft] 3	